Author Index

A SECOND IUIS/WHO REPORT: Laboratory investigations in clinical immunology: methods, pitfalls and clinical indications, 494

ABER, V.R. see SHUK HAN CHENG

ADU. D. see BEAMAN, M.

AL-AZZAWI, F. see GALLAGHER, G.

AL-SAFFAR, M., see BAHR, G.M.

ALBINI, B. see DHARAKUL, T.

ANDERSON, V. see LOFTAGER, M.-K.

ANDERSSON, G. see KARTTUNEN, R.

ANDRE, C. see LASSOUED, K.

ANDRIEU, J.-M. see ISRAEL-BIET, D.

Anomasiri, W.T. & Tyrrell, D.L.J. Paramyxovirus membrane protein augments the antibody response to actin in mice, 59

AREND, W.P., D'ANGELO, S. & JOSLIN, F.G. Regulation of interleukin 1 production in human monocytes, 377

ASANO, T., TOMOOKA, S., SERUSHAGO, B.A., HIMENO, K. & NOMOTO, K. A new T cell subset expressing B220 and CD4 in 1pr mice: defects in the response to mitogens and in the production of IL-2, 36

AUCOUTURIER, P. see BRIAULT, S.

AUCOUTURIER, P. see EDVARD SMITH, C.I.

AULITZKY, W. see TROPPMAIR, J.

BABA, N. see TOGE, T.

BAHR, G.M., ROOK, G.A.W., AL-SAFFAR, M., VAN EMBDEN, J., STANFORD, J.L. & BEHBEHANI, K. Antibody levels to mycobacteria in relation to HLA type: evidence for non-HLA-linked high levels of antibody to the 65 kD heat shock protein of M. bovis in rheumatoid arthritis, 211

BALBOA, M.A. see IZQUIERDO, M.

BALESTRIERI, G. see VISMARA, A.

BANKFALVI, A. see KOPPER, L.

BARCELLINI, W. see VISMARA, A.

BARTON, L.D. see CHAVALI, S.R.

BATTISTIN, S. see DE PAOLI, P.

BEAMAN, M., OLDFIELD, S., MACLENNAN, I.C.M., MICHAEL, J. & ADU, D. Hypogammaglobulinaemia in nephrotic rats is attributable to hypercatabolism of IgG, 425

BEATTIE, R. see SPICKETT, G.P.

BEHBEHANI, K. see BAHR, G.M.

BENCZUR, M. see KOPPER, L.

BERG, P.A. see KLEIN, R.

BHAKDI, S., KAFLEIN, R., HALSTENSEN, T.S., HUGO, F., PREISSNER, K.T. & MOLLNES, T.E. Complement S-protein (vitronectin) is associated with cytolytic membrane-bound C5b-9 complexes, 459

BIELING, P. see TROPPMAIR, J. BIRD, C.R. see HENDERSON, B.

BJERKE, K., BRANDTZAEG, P. & FAUSA, O. T cell distribution is different in follicle-associated epithelium of human Peyer's patches and villous

epithelium, 270 BOLTON, R.E. see DONALDSON, K. BONE, A. see DE ASSIS-PAIVA, H.J.

BOONPUCKNAVIG, S. see TANVANICH, S.

BORDA, E. see STERIN-BORDA, L.

BOS, G.M.J., MAJOOR, G.D. & VAN BREDA VRIESMAN, P.J.C. Cyclosporin A induces a selective, reversible suppression of T-helper lymphocyte regeneration after syngeneic bone marrow transplantation: association with syngeneic graft-versus-host, 443

BRANDTZAEG, P. see BJERKE, K.

Bremard-Oury, C. see Edvard Smith, C.I.

BRIAULT, S., COURTOIS-CAPELLA, M., DUARTE, F., AUCOUTURIER, P. & PREUD'HOMME J.L.: Isotypy of serum monoclonal immunoglobulins in human immunodeficiency virus-infected adults, 182

BRINET, A., FOURNEL, C., FAURE, J.R., VENET, C. & MONIER, J.C. Antihistone antibodies (ELISA and immunoblot) in canine lupus erythe-

BROOKS, B. & REES, R.C. Human recombinant IL-4 suppresses the

induction of human IL-2 induced lymphokine activated killer (LAK) activity, 162

BROUET, J.C. see LASSOUED, K. BROWN, K.A. see LIMB, G.A.

BRUCATO, A. see VISMARA, A

BRUYNZEEL, P.L.B. see BRUYNZEEL-KOOMEN, C.

BRUYNZEEL-KOOMEN, C., VAN DER DONK, E.M.M., BRUYNZEEL, P.L.B., CAPRON M., DE GAST, G.C. & MUDDE, G.C. Associated expression of CD1 antigen and Fc receptor for IgE on epidermal Langerhans cells from patients with atopic dermatitis, 137

BUHL, M. see MØLLER RASMUSSEN, J.

BURKOT, T.R. see ROBERTSON, B.D.

BUSTARRET, A.F. see TZARTOS, S.J.

BUTTNER, D.W. see CABRERA, Z.

CABRERA, Z., BUTTNER, D.W. & PARKHOUSE R.M.E. Unique recognition of a low molecular weight Onchocerca volvulus antigen by IgG3 antibodies in chronic hyper-reactive oncho-dermatitis (Sowda), 223

CAMPBELL, J.B. see CHAVALI, S.R. CAPOBIANCHI, M.R. see PALLONE, F.

CAPRON, M. see BRUYNZEEL-KOOMEN, C.

CAPRON, A. see TORPIER, G.

CAPRON, M. see TORPIER, G.

CARBONE, A. see DE PAOLI, P.

CERF-BENSUSSAN, N. see MONK, T. CHAMPION, B. see DE ASSIS-PAIVA, H.J.

CHAVALI, S.R., BARTON, L.D. & CAMPBELL, J.B. Immunopotentiation by orally-administered Quillaja saponins: effects in mice vaccinated intraperitoneally against rabies, 339

CHENG, P.N.M., SHIU, W.C.T., LEUNG, J.O.Y., Ho, S.K.W., WONG, K.K.S. & METREWELI, C. A study of lymphocyte kinetics in nasopharyngeal carcinoma with Indium III oxine-labelled lymphocytes, 398

CHILD, J.A. see JONES, R.A.

CLARKE, S.W. see SPITERI, M.A.

COHEN, P.L. see REGAN, D.R.

COLLE, E. see DE ASSIS-PAIVA, H.J.

COLOMBEL, J.F. see TORPIER, G.

CONDEZ, A. see POULTER, L.W.

COOKE, A. see DE ASSIS-PAIVA, H.J.

COOPER, R.C. see KLEMP, P.

CORTOT, A. see TORPIER, G.

COTTER, T.G. see MEAGHER, L.C.

COURTOIS-CAPELLA, M. see BRIAULT, S. COURVALIN, J.C. see LASSOUED, K.

CREMASCHI, G. see STERIN-BORDA, L.

CROMARTIE, W.J. see REGAN, D.R.

CROVATTO, M. see DE PAOLI, P.

D'Amaro, J. see Gratama, J.W.

D'ANGELO, S., AREND, W.P. & JOSLIN, F.G. Regulation of interleukin 1 production in human monocytes, 377

D'ANGLEJAN, J. see TZARTOS, S.J.

DAHA, M.R. see VAN DEN WALL BAKE, A.W.L.

DALGLEISH, A.G. see MALKOVSKY, M.

DANON, F. see LASSOUED, K.

DE ASSIS-PAIVA, H.J., CHAMPION, B., RAYNER, D.C., COLLE, E., BONE, A., ROITT, I.M. & COOKE, A. Epitope specificity of spontaneous and induced thyroglobulin autoantibodies in the rat, 63

DE GAST, G.C. see BRUYNZEEL-KOOMEN, C.

DE PAOLI, P., BATTISTIN, S., CROVATO, M., MODOLO, M.L., CARBONE, A., TIRELLI, U. & SANTINI, G. Immunologic abnormalities related to antigenaemia during HIV-1 infection, 317

DE WEERTH, A., see RAEDLER, A.

DEEPE, G.S. see HAGLER, D.N.

DEN OTTOLANDER, G.J. see GRATAMA, J.W.

DESSAINT, J.P. see TORPIER, G.

DHARAKUL, T., RIEPENHOFF-TALTY, M., ALBINI, B. & OGRA, P.L. Distribution of rotavirus antigen in intestinal lymphoid tissues: potential role in development of the mucosal immune response to rotavirus, 14

DHUMEAUX, D. see LASSOUED, K.

DI PADOVA, F. & DURIG, R.M. Spontaneous Ig secretion and DNA synthesis in lymphoblastoid B cells appearing after surgery, 41

DONALDSON, K., SLIGHT, J. & BOLTON, R.E. The effect of products from bronchoalveolar-derived neutrophils on oxidant production and phagocytic activity of alveolar macrophages, 477

DOUNGCHAWEE, G., TANVANICH, S., BOONPUCKNAVIG, S. & THAMAVIT, W. A characteristic immunoblotting pattern for Opisthorchiasis sera with metacercarial antigens, 355

EDVARD SMITH, C.I., BREMARD-OURY, C., LE DEIST, F., GRISCELLI, C., AUCOUTURIER, P., MÖLLER, G., HAMMARSTROM, L., PREUD'HOMME, J.-L. & WEENING, R.S. The antibody spectrum in individuals with defect expression of HLA class II and the LFA-1 glycoprotein family genes, 449

EFTHIMIADIS, A. see TZARTOS, S.J. EKRE, H.-P.T. see KARTTUNEN, R. ELLIS, B.A. see LIMB, G.A. ENVERSEN, S. see RAEDLER, A. ERKWALANGA, M. see ISRAEL-BIET, D. ERYU, N. see YOSHIOKA, K. ETZIONI, A. see LAHAT, N. EVEN, P. see ISRAEL-BIET, D.

Fais, S. see Pallone, F. Faure, J.R. see Brinet, C. Fausa, O. see Bierke, K. Feighery, C. see Gallagher, R.B. Figuera, A. see Izquierdo, M.

FILION, L.G. & SAGINUR, R. Induction of the *in-vitro* anti-HBs response by hepatitis B surface antigen, 321

FLENER, R. see TROPPMAIR, J.

FORTUNE, F. & LEHNER, T. Phenotypic expression of Vicia villosa binding T cell subsets, as markers of contrasuppressor cells in systemic lupus erythematosus, 100

FOURNEL, C. see BRINET, A. FROOM, P. see LAHAT, N.

FURNESS, P.N. & TURNER, D.R. Chronic serum sickness glomerulonephritis: removal of glomerular antigen and electron-dense deposits is largely dependent on plasma complement, 126

GALLAGHER, G., WILCOX, F. & AL-AZZAWI, F. Interleukin-3 and interleukin-4 each strongly inhibit the induction and function of human LAK cells, 166

GALLAGHER, R.B., FEIGHERY, C., WEIR, D.G., KELLY, C.P. & WHELAN, C.A. Studies on the interaction between α-gliadin and HLA and T cell receptor molecules in coeliac disease, 413

GASTL, G. see TROPPMAIR, J.

GEARING, A.J.H. see HENDERSON, B.

GEFFNER, R., GIORDANO, M., SEREBRINSKY, G. & ISTURIZ, J.A. Different activation pathways involved in antibody-dependent and immunecomplexes-triggered cytotoxicity mediated by neutrophils, 471

Gehrz, R.C., Peterson, E.S. & Liu, Y.C. Immune mechanisms in congenital cytomegalovirus infection: activation of CMV-specific T helper cells (CMV-Th) by exogenous IL-2, 333

GILLESPIE, S.H. see ROBERTSON, B.D. GIORDANO, M. see GEFFNER, R.

GRATAMA, J.W., KLUIN-NELEMANS, H.C., LANGELAAR, R.A., DEN OTTOLANDER, G.J., STIJNEN, T., D'AMARO, J., TORENSMA, R. & TANKE, H.J. Flow cytometric and morphological studies of HNK1+ (Let 7+) lymphocytes in relation to cytomegalovirus carrier status, 190

GRETEN, H. see RAEDLER, A. GRIFFITHS, J. see SPICKETT, G.P.

GRISCELLI, C. see EDVARD SMITH. GUILLY, M.N. see LASSOUED, K.

HAGLER, D.N., DEEPE, G.S., POGUE, C.L. & WALZER, P.D. Blastogenic responses to *Pneumocystis carinii* among patients with human immunodeficiency (HIV) infection, 7

HALSTENSEN, T.S. see BHAKDI, S. HAMMARSTROM, L. see LJUNGSTROM, I.

HAMMARSTROM, L. see EDVARD SMITH, C.I.

HARLAND, C., SHAH, T., WEBSTER, A.D.B. & PETERS, T.J. Dipeptidyl peptidase IV—subcellular localization, activity and kinetics in lymphocytes from control subjects, immunodeficient patients and cord blood, 201

HARRIS, E.N. see VISMARA, A. HASLAM, P.L. see WILSHER, M.L.

HATTORI, T. see TOGE, T.

HAUBECK, H.-D., STUTENKAMPER, R. & KÖLSCH, E. Modulation of cellular anti-tumour responses by tumour specific T suppressor lymphocytes, 47

HAUBECK, H.-D., MINKENBERG, I. & KÖLSCH, E. Selective in-vitro activation of BALB/c T suppressor lymphocytes specific for syngeneic ADJ-PC-5 plasmacytoma cells, 53

HAYWARD, A., LASZLO, M., TURMAN, M., VAFAI, A. & TEDDER, D. Nonproductive infection of human newborn blood mononuclear cells with herpes simplex virus: effect on T cell activation, IL-2 production and proliferation, 196

HAZELTON, R.A., MORRISON, J.J., VEDAM, R. & SISKIND, V. Analysis of the responding and stimulating cells in the AMLR of patients with rheumatoid arthritis using limiting dilution, 94

HEIGL, Z. see SUNDIN, U.

HEIKE, M., MOBIUS, U., KNUTH, A., MEUER, S. & MEYER ZUM BÜSCHENFELDE, K.-H. Tissue distribution of the T cell activation antigen Ta1. Serological, immunohistochemical and biochemical investigations, 431

HENDERSON, B., ROWE, F.M., BIRD, C.R. & GEARING, A.J.H. Production of interleukin 1 in the joint during the development of antigen-

induced arthritis in the rabbit, 371

HENDRIKS, R.W., THOMPSON, A., KRAAKMAN, M.E.M., DRAYER, A.L. & SCHUURMAN, R.K.B. Antisera to human IgE can also recognize IgA and IgM molecules as produced by selected B lymphoblastoid cell lines, 305

HEROLD, M. see TROPPMAIR, J. HEWICK, D.S. see JOHNSTON, P.C.

HIEMSTRA, P.S. see VAN DEN WALL BAKE, A.W.L.

HIMENO, K. see ASANO, T. HO, S.K.W. see CHENG, P.N.M.

HOIER-MADSEN, M. see LOFTAGER, M.-K.

HUBER, C.H. see TROPPMAIR, J. HUGHES, G.R.V. see VISMARA, A.

HUGHES, D.A. see WILSHER, M.L.

HUGO, F. see BHAKDI, S.

ICHIKAWA, K., SHIMADA, K., NAWATA, Y., ISHII, T., TOMIOKA, H., YOSHIDA, S. & KOIKE, T. Monoclonal hybridoma anti-cardiolipin antibodies from SLE mice, 110

ISEKI, T. see YOSHIOKA, K. ISHII T. see ICHIKAWA, K.

ISHII T. see ICHIKAWA, K.
ISRAEL-BIET, D., ERKWALANGA, M., VENET, A., EVEN, P. & ANDRIEU,
J.-M. Scrum suppressive activity of HIV seropositive patients, 185

ISTURIZ, J.A. see GEFFNER, R.

IZQUIERDO, M., BALBOA, M.A., FIGUERA, A. & LOPEZ-BOTET, M. Selective T cell subset depletion with anti-CD4 and anti-CD8 intact ricin immunotoxins, 300

JEPSEN, H.H. see MØLLER RASMUSSEN, J.

JEWELL, D.P. see MAHIDA, Y.R.

JOHNSTON, P.C., STEVENSON, I.H. & HEWICK, D.S. The use of enzymelinked immunosorbent assay to study the disposition of sheep digoxin-specific immunoglobulin G and Fab fragments in the rat, 489

JONES, R.A., SCOTT, C.S., KATZ, F.E. & CHILD, J.A. MHC Class I and Class I-like gene product expression by malignant T cells: relationships between CD1a, HLA-ABC and β-microglobulin, 454

JORDAAN, E.R. see KLEMP, P.

JOSLIN, F.G. see AREND, W.P. JUUTINEN, K. see KARTTUNEN, R.

KAFLEIN, R. see BHAKDI, S.

KAGAMI, S., MIYAO, M., SHIMIZU, F. & OITE, T. Active in situ immune complex glomerulonephritis using the hapten-carrier system: role of epitope density in cationic antigens, 121

KALLENBERG, C.G.M. see ROENHORST, H.W.

KAPP, A. see KOWNATZKI, E.

KARLSSON, F.A. & TOTTERMAN, T.H. Immunomodulation by methimazole therapy in Graves' disease: rapid changes in activation of stage of circulating regulatory T cell subsets, B cells and NK cells, 258

KARTTUNEN, R., SILVENNOINEN-KASSINEN, S., JUUTINEN, K., ANDERS-SON, G. EKRE, H.-P.T. & KARVONEN, J. Nickel antigen induces IL-2 secretion and IL-2 receptor expression mainly on CD4⁴T cells, but no measurable gamma interferon secretion in peripheral blood mononuclear cell cultures in delayed type hypersensitivity to nickel, 387

KARVONEN, J. see KARTTUNEN, R. KATZ, F.E. see JONES, R.A.

KATZ, S.P. see RUFF, J.

KAZATCHKINE, M.D. see Rossi, F.

KEGOYA, Y. see TOGE, T.

KELLY, C.P. see GALLAGHER, R.B.

KENNEDY, M.W. see ROBERTSON, B.D.

KHAMASHTA, M. see VISMARA, A. KINARTY, A. see LAHAT, N.

KIRSTEIN, H. see MOLLER RASMUSSEN, J.

KLEIN, R. & BERG, P.A. Characterization of a new mitochondrial antigen-antibody system (M9 anti-M9) in patients with anti-M2 positive and anti-M2 negative primary biliary cirrhosis, 68

KLEMP, P., COOPER, R.C., STRAUSS, F.J., JORDAAN, E.R., PRZYBO-JEWSKI, J.Z. & NEL, N. Anti-cardiolipin antibodies in ischaemic heart disease, 254

KLUIN-NELEMANS, H.C. see GRATAMA, J.W.

KNUDSEN, F. see MØLLER RASMUSSEN, J.

KNUTH, A. see HEIKE, M.

KOCH, C see LOFTAGER, M.-K.

KOCIECKA, W. see LJUNGSTROM, I.

KOHLER, H. see WEBER, M.

KOIKE, T. see ICHIKAWA, K.

KÖLSCH, E. see HAUBECK, H.-D.

KONDOH, H. see YAMAGUCHI, S.

KOPPER, L., BÁNKFALVI, A., MIHALIK, R., PÁLOCZI, K., BENCZUR, M. & LAPIS, K. Phenotypic characteristics of three human non-Hodgkin lymphoma lines: flow cytometric analysis after long-term maintenance, 295

KOTLAN, B. see TROPPMAIR, J.

KOWNATZKI, E., KAPP, A. & UHRICH, S. Modulation of human neutrophilic granulocyte functions by recombinant human tumour necrosis factor and recombinant human lymphotoxin. Promotion of adherence, inhibition of chemotactic migration and superoxide anion release from adherent cells, 143

KRAAKMAN, M.E.M. see HENDRIKS, R.W.

KRZEKOTOWSKA, D. see OEN, K.

KUNINOBU, H. see TOGE, T.

KURORI, K. see TOGE, T.

LAHAT, N., ZELNIK, N., FROOM, P., KINARTY, A. & ETZIONI, A. Impaired autologous mixed lymphocyte reaction (AMLR) in patients with Ataxia-telangiectasia and their family members, 32

LAMB, J. see MORENO, C.

LAMMIE, P.J. see RUFF, J.

LANGELAAR, R.A. see GRATAMA, J.W.

LAPIS, K. see KOPPER, L.

LASSOUED, K., GUILLY, M.N., ANDRE, C., PAINTRAND, M., DHUMEAUX, D., DANON, F., BROUET, J.C. & COURVALIN, J.C.: Autoantibodies to 200 kD polypeptide(s) of the nuclear envelope: a new serological marker of primary biliary cirrhosis, 283

LASZLO, M. see HAYWARD, A.

LE DEIST, F. see EDVARD, SMITH, C.I.

LEHNER, T. see FORTUNE, F.

LEIROS, C.P. see STERIN-BORDA, L.

LEIVA, L.E. see RUFF, J.

LENZ, H.J. see RAEDLER, A.

LEUNG, J.O.Y. see CHENG, P.N.M.

LIMB, G.A., BROWN, K.A., WOLSTENCROFT, R.A., ELLIS, B.A. & DUMONDE, D.C. Modulation of Fc and C3b receptor expression on guinea-pig macrophages by lymphokines, 171

LIU, Y.C. see GEHRZ, R.C.

LJUNGSTRÖM, I., HAMMARSTROM, L.; KOCIECKA, W. & SMITH, C.I.E. The sequential appearance of IgG subclasses and IgE during the course of Trichinella spiralis infection, 230

LOFTAGER, M.-K., HØIER-MADSEN, M., KOCH, C. & ANDERSON, V.A. haemolytic plaque forming assay for identifying cells producing anti-

DNA antibodies, 242 LOPEZ-BOTET, M. see IZQUIERDO, M.

LOWENSTINE, L.J. see ORMEROD, L.D.

LOWRIE, D.B. see SHUK HAN CHENG

MACDONALD, T.T. see MONK, T.

MACLENNAN, I.C.M. see BEAMAN, M.

MAHIDA, Y.R., PATEL, S., WU, K. & JEWELL, D.P. Interleukin 2 receptor expression by macrophages in inflammatory bowel disease, 382

MAIZELS, R.M. see ROBERTSON, B.D.

MAJOOR, G.D. see Bos, G.M.J.

MAKI, S. see YOSHIOKA, K.

MALKOVSKY, M., SONDEL, P.M., STROBER, W. & DALGLEISH, A.G. Review: The interleukins in acquired disease, 151

MATHIEU-CHANDELIER, C. see TORPIER, G.

MEAGHER, L.C. & COTTER, T.G. The degranulation response in differentiated HL-60 cells, 483

MEHLERT, A. see MORENO, C.

MERONI, P.L. see VISMARA, A

METREWELI, C. see CHENG, P.N.M.

MEUER, S. see HEIKE, M.

MEYER, P.R. see ORMEROD, L.D.

MEYER ZUM BÜSCHENFELDE, K.-H. see HEIKE, M.

MEYER ZUM BÜSCHENFELDE, K.-H. see WEBER, M.

MICHAEL, J. see BEAMAN, M.

MIHALIK, R. see KOPPER, L.

MILLRAIN, M. see SPICKETT, G.P.

MINKENBERG, I. see HAUBECK, H.-D. MITCHISON, D.A. see SHUK HAN CHENG

MIYAO, M. see KAGAMI, S.

MIYAOKA, H. see YAMAGUCHI, S.

MOBIUS, U. see HEIKE, M.

MODOLO, M.L. see DE PAOLI, P.

MÖLLER, G. see EDVARD SMITH, C.I. MØLLER RASMUSSEN, J., TEISNER, B., JEPSEN, H.H., SVEHAG, S.-E., KNUDSEN, F., KIRSTEIN, H. & BUHL, M. Three cases of factor I deficiency: the effect of treatment with plasma, 131

MOLLNES, T.E. see BHAKDI, S.

MONIER, J.C. see BRINET, A.

MONK, T., SPENCER, J., CERF-BENSUSSAN, N. & MACDONALD, T.T. Stimulation of mucosal T cells in situ with anti-CD3 antibody: location of the activated T cells and their distribution within the mucosal micro-environment, 216 MOREL, E. see TZARTOS, S.J.

MORENO, C., MEHLERT, A. & LAMB, J. The inhibitory effects of mycobacterial lipoarabinomannan and polysaccharides upon polyclonal and monoclonal human T cell proliferation, 206

MORIMOTO, Y. see YOSHIOKA, K.

MORRISON, J.J. see HAZELTON, R.A.

MOUTSOPOULOS, H.A. see TZARTOS, S.J.

MUDDE, G.C. see BRUYNZEEL-KOOMEN, C.

MULL, B. see TROPPMAIR, J.

NACHBAUR, K. see TROPPMAIR, J.

NAWATA, Y. see ICHIKAWA, K.

NEL, N. see KLEMP, P.

NOMOTO, K. see ASANO, T.

NORTH, M. see SPICKETT, G.P.

OEN, K., WARRINGTON, R., ROSENBERG, A.M. & KRZEKOTOWSKA, D. IL-2 production in the autologous mixed lymphocyte reaction of patients with juvenile rheumatoid arthritis, 87

OGRA, P.L. see DHARAKUL, T.

OHTA, Y. see YAMAGUCHI, S.

OITE, T. see KAGAMI, S. OKADA, M. see YOSHIOKA, K. OLDFIELD, S. see BEAMAN, M.

ONJI, M. see YAMAGUCHI, S.

ORMEROD, L.D., OSBORN, K.G., LOWENSTINE, L.J., MEYER, P.R., PARKER, J.W., SMITH, R.E. & TAYLOR, C.R. Lymphoid immunohistochemistry of macaque primates, 435

OSBORN, K.G. see ORMEROD, L.D.

PAINTRAND, M. see LASSOUED, K.

PALLONE, F., FAIS, S. & CAPOBIANCHI, M.R. HLA-D region antigens on isolated human colonic epithelial cells: enhanced expression in inflammatory bowel disease and *in vitro* induction by different stimuli, 75

PALOCZI, K. see KOPPER, L.
PARIS, J.C. see TORPIER, G.
PARKER, J.W. see ORMEROD, L.D.
PARKHOUSE, R.M.E. see CABRERA, Z.
PATEL, S. see MAHIDA, Y.R.
PATTERSON, S. see SPICKETT, G.P.
PETERS, T.J. see HARLAND, C.
PETERSON, E.S. see GEHRZ, R.C.
POGUE, C.L. see HAGLER, D.N.

POOLE, J. see SHUK, HAN, CHENG POULTER, L.W. & CONDEZ, A. The effect of intracellular parasitism on

cell phenotype, 344
POULTER, L.W. see SPITERI, M.A.
PREISSNER, K.T. see BHAKDI, S.
PREUD'HOMME, J.L. see BRIAULT, S.
PREUD'HOMME, J.-L. see EDVARD SMITH, C.I.
PRZYBOJEWSKI, J.Z. see KLEMP, P.

RADL, J. see VAN DEN WALL BAKE, A.W.L.

RADLER, A., LENZ, H.J., SANGGREN, K., DE WEERTH, A., ENVERSEN, S., SCHREIBER, S., THIELE, H.G. & GRETEN, H.: Phenotype and functional properties of *Vicia villosa* agglutinin (VVA) binding T cells in patients with Crohn's disease: detection of contrasuppressor activity in patients lacking extra-intestinal manifestations, abscesses and fistulas, 264

RAYNER, D.C. see DE ASSIS-PAIVA, H.J.

REES, R.C. see BROOKS, B.

REGAN, D.R., COHEN, P.L. CROMARTIE, W.J. & SCHWAB, J.H. Immunosuppressive macrophages induced by arthropathic peptidoglycanpolysaccharide polymers from bacterial cell walls, 365

RIEPENHOFF-TALTY, M. see DHARAKUL, T.
ROBERTSON, B.D., BURKOT, T.R., GILLESPIE, S.H., KENNEDY, M.W.,
WAMBAI, Z. & MAIZELS, R.M. Detection of circulating parasite
antigen and specific antibody in *Toxocara canis* infections, 236

ROENHORST, H.W., KALLENBERG, C.G.M. & THE, T.H. The cellular immune response to cell-associated and cell-free cytomegalovirus (CMV) antigens after primary CMV-infection in non-immunocompromised hosts: development and maintenance of CMV-latency, 326

ROITT, I.M. see DE ASSIS-PAIVA, H.J. ROKOS, H. see TROPPMAIR, J.

ROOK, G.A.W. see BAHR, G.M. ROSENBERG, A.M. see OEN, K.

ROSSI, F., SULTAN, Y. & KAZATCHKINE, M.D. Anti-idiotypes against autoantibodies and alloantibodies to VIII:C (anti-haemophillic factor) are present in therapeutic polyspecific normal immunoglobulins, 311

Rowe, F.M. see HENDERSON, B.

RUFF, J., LEIVA, L.E., LAMMIE, P.J. & KATZ, S.P. Failure of the H2 antagonist cimetidine to reverse parasite antigen-specific lymphocyte unresponsiveness in experimental filariasis, 26

SANDGREN, K., see RAEDLER, A.
SAGINUR, R. see FILION, L.G.
SANTINI, G. see DE PAOLI, P.
SCHREIBER, S. see RAEDLER, A.
SCHUURMAN, R.K.B. see HENDRIKS, R.W.
SCHWAB, J.H. see REGAN, D.R.
SCOTT, C.S. see JONES, R.A.
SEREBRINSKY, G. see GEFFNER, R.
SERUSHAGO, B.A. see ASANO, T.

SHAH, T. see HARLAND, C. SHIMADA, K. see ICHIKAWA, K, SHIMIZU, F. see KAGAMI, S.

SHIU, W.C.T. see CHENG, P.N.M.

SHUK, HAN CHENG, WALKER, L., POOLE, J., ABER, V.R., WALKER, K.B., MITCHISON, D.A. & LOWRIE, D.B. Demonstration of increased antimycobacterial activity in peripheral blood monocytes after BCG vaccination in British schoolchildren, 20

SILVENNOINEN-KASSINEN, S. see KARTTUNEN, R.

SISKIND, V. see HAZELTON, R.A. SLIGHT, J. see DONALDSON, K. SMITH, R.E. see ORMEROD, L.D. SMITH, C.I.E. see LJUNGSTROM, I. SONDEL, P.M. see MALKOVSKY, M. SPENCER, J. see MONK, T.

SPICKETT, G.P., MILLRAIN, M., BEATTIE, R., NORTH, M., GRIFFITHS, J., PATTERSON, S. & WEBSTER, A.D.B. Role of retroviruses in acquired hypogammaglobulinaemia, 177

SPITERI, M.A., CLARKE, S.W. & POULTER, L.W. Phenotypic and functional changes in alveolar macrophages contribute to the pathogenesis of pulonary sarcoidosis, 359

STANFORD, J.L. see BAHR, G.M. STRAUSS, F.J. see KLEMP, P.

STERIN-BORDA, L., LEIROS, C.P., WALD, M., CREMASCHI, G. & BORDA, E. Antibodies to β_1 and β_2 adrenoreceptors in Chagas' disease, 349 STEVENSON, I.H. see JOHNSTON, P.C.

STUNEN, T. see GRATAMA, J.W. STOBER, W. see MALKOVSKY, M. STUTENKEMPER, R. see HAUBECK, H.-D.

SULTAN, Y. see ROSSI, F.

SUNDIN, U., HEIGL, Z. & SUNDQVIST, K.G. The IgG antibody reactivity of sera from patients with active chronic hepatitis to a crude liver antigen and liver specific protein (LSP): analysis by ELISA and immunoblotting, 276

SUNDQVIST, K.G. see SUNDIN, U. SVEHAG, S.-E. see MØLLER RASMUSSEN

TANKE, H.J. see GRATAMA, J.W.

TANVANICH, S., DOUNGCHAWEE, G., BOONPUCKNAVIG, S., THAMAVIT, W. A characteristic immunoblotting pattern for Opisthorchiasis sera with metacercarial antigens, 355

TAYLOR, C.R. see ORMEROD, L.D. TEDDER, D. see HAYWARD, A. TEISNER, B. see MØLLER RASMUSSEN, J.

THAMAVIT, W. see TANVANICH, S. THE, T.H. see ROENHORST, H.W.

THIELE, H.G. see RAEDLER, A. THOMPSON, A. see HENDRIKS, R.W. TILG, H. see TROPPMAIR, J.

TINCANI, A. see VISMARA, A. TIRELLI, U. see DE PAOLI, P.

TOGE, T., KUROI, K., KUNINOBU, H., YAMAGUCHI, Y., KEGOYA, Y., BABA, N. & HATTORI, T. Role of the spleen in immunosuppression of gastric cancer: predominance of suppressor precursor and suppressor inducer T cells in the recirculating spleen, 409

Томюка, Н. see Існікаwa, К. Томоока, S. see Asano, Т.

TORENSMA, R. see GRATAMA, J.W.

TORPIER, G., COLOMBEL, J.F., MATHIEU-CHANDELIER, C., CAPRON, M., DESSAINT, J.P., CORTOT, A., PARIS, J.C. & CAPRON, A. Eosinophilic gastroenteritis: ultrastructural evidence for a selective release of eosinophil major basic protein, 404

TOTTERMAN, T.H. see KARLSSON, F.A.

TROPPMAIR, J., NACHBAUR, K., HEROLD, M., AULITZKY, W., TILG, H., GASTL, G., BIELING, P., KOTLAN, B., FLENER, R., MULL, B., AULITZKY, W.O., ROKOS, H. & HUBER, C.H. In-vitro and in-vivo studies on the induction of neopterin biosynthesis by cytokines, alloantigens and lipopolysaccharides, 392

TURMAN, M. see HAYWARD, A. TURNER, D.R. see FURNESS, P.N.

TYRRELL, D.L.J. see ANOMASIRI, W.T.

TZARTOS, S.J., MOREL, E., EFTHIMIADIS, A., BUSTARRET, A.F., D'ANG-LEJAN, J., DROSOS, A.A. & MOUTSOPOULOS, H.A. Fine antigenic specificities of antibodies in sera from patients with D-penicillamine-induced myasthenia gravis, 80

UHRICH, S. see KOWNATZKI, E.

VAFAI, A. see HAYWARD, A.

VAN BREDA VRIESMAN, P.J.C. see Bos, G.M.J.

VAN EMBDEN, J. see BAHR, G.M.

VAN DEN WALL BAKE, A.W.L., DAHA, M.R., VAN DER ARK, A., HIEMSTRA, P.S., RADL, J. & VAN Es, L.A. Serum levels and in vitro production of IgA subclasses in patients with primary IgA nephropathy 115

VAN DER ARK, A. see VAN DEN WALL BAKE, A.W.L. VAN DER DONK, E.M.M. see BRUYNZEEL-KOOMEN, C.

VAN ES, L.A. see VAN DEN WALL BAKE, A.W.L.

VEDAM, R. see HAZELTON, R.A.

VENET, A. see ISRAEL-BIET, D.

VENET, C. see BRINET, A.

VISMARA, A., MERONI, P.L., TINCANI, A., HARRIS, E.N., BARCELLINI, W., BRUCATO, A., KHAMASHTA, M., HUGHES, G.R.V., ZANUSSI, C. & BALESTRIERI, G. Relationship between anti-cardiolipin and antiendothelial cell antibodies in systemic lupus erythematosus, 247

WALD, M. see Sterin-Borda, L. Walker, K.B. see Shuk, Han Cheng Walker, L. see Shuk, Han Cheng Walzer, P.D. see Hagler, D.N. Wambai, Z. see Robertson, B.D.

WARRINGTON, R. see OEN, K.

WEBER, M., MEYER ZUM BÜSCHENFELDE, K.-H. & KOHLER, H. Immunological properties of the human Goodpasture target antigen, 289

WEBSTER, A.D.B. see SPICKETT, G.P. WEBSTER, A.D.B. see HARLAND, C.

WEENING, R.S. see EDVARD SMITH, C.I.

WEIR, D.G. see GALLAGHER, R.B.

WHELAN, C.A. see GALLAGHER, R.B.

WILCOX, F. see GALLAGHER, G.

WILSHER, M.L., HUGHES, D.A. & HASLAM, P.L. Immunomodulatory effects of pulmonary surfactant on natural killer cell and antibodydependent cytotoxicity, 465

WOLSTENCROFT, R.A. see LIMB, G.A.

WONG, K.K.S. see CHENG, P.N.M.

Wu, K. see Mahida, Y.R.

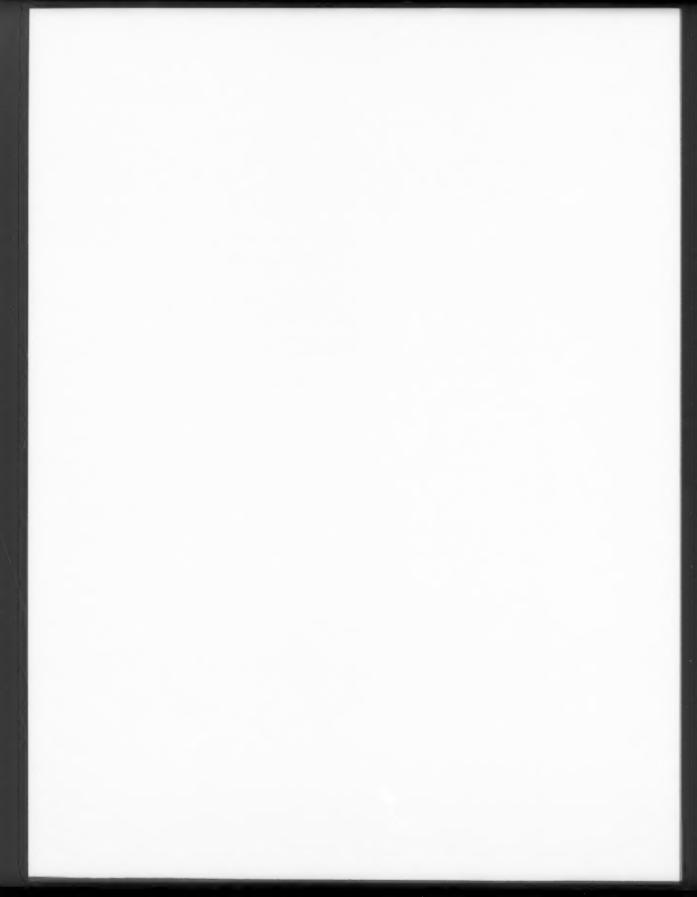
YAMAGUCHI, S., ONJI, H., KONDOH, H., MIYAOKA, H. & OHTA, Y. Immunologic effects on peripheral lymphoid cells from patients with chronic hepatitis B during administration of recombinant interleukin 2. 1

YAMAGUCHI, Y. see TOGE, T.

YOSHIDA, S. see ICHIKAWA, K.

YOSHIOKA, K., ISEKI, T., OKADA, M., MORIMOTO, Y., ERYU, N. & MAKI, S. Identification of Goodpasture antigens in human alveolar basement membrane, 419

ZANUSSI, C. see VISMARA, A. ZELNIK, N. see LAHAT, N.



Subject Index

Acetylcholine receptor, 80 Lymphocytes, 41, 177, 201, 317 Acquired hypogammaglobulinaemia, 177 Lymphokine activated killer, 162 Activation, 216 Macrophages, 20, 171, 344, 365, 382, 477 Activation pathways, 471 Memory B, 41 Adherence, 143 Monocytes, 377 Natural killer, 1, 465 Alloantigens, 392 Alpha gliadin, 413 Neutrophil, 143, 477 Alveolar basement membrane, 419 Peripheral blood Ig-secreting, 41 Antibodies, 254 T helper cells, 443 Anti-actin, 59 T lymphocytes, 431 T suppressor, 47, 53 Cell-associated CMV antigens, 326 Anti-adrenoceptor, B1 and B2, 349 Anti-DNA, 110, 242 Anti-ds-DNA, 105 Cell surface markers, 295 Anti-cardiolipin, 110, 247, 254 Cell-virus interactions, 14 Anti-endothelial cell, 247 Cellular immune response, 326 Anti-GBM, 289 Chagas' disease, 349 Anti-HBs, 321 Chemotaxis, 143 Anti-histone, 105 CAH, 276 Anti-idiotypes, 311 Chronic hepatitis type B, I Anti-M9, 68 Chronic lymphatic leukaemia, 201 Anti-mitochondrial, 68 Chronic serum sickness, 126 Antibodies monoclonal, 80, 190, 236 Cimetidine, 26 Anti-nuclear, 283 Cobra venom factor, 126 Anti-phospholipid, 254 Coeliac disease, 413 Anti-tumour response, 47 Colonic epithelium, 75 Antibody isotypes, 223 Common variable hypogammaglobulinaemia, 201 Antibody to the nuclear envelope, 283 Complement, 126 Antigen, 223 Complement C5b-9 complex, 459 Antigen detection, 236 Congenital factor I deficiency, 131 Antigen-induced arthritis, 371 Congenital cytomegalovirus, 333 Antigens, HLA-D region, 75 Contrasuppression, 264 Antisera, 80, 305 Arthritis, 211, 365 Crohn's disease, 264 Cycloheximide, 377 Ataxia-telangiectasia, 32 Cyclosporin A, 443 Atopic dermatitis, 137 Cytokines, 392 Autoantibodies, 63 Cytomegalovirus, 190, 326 Autoimmune disease/therapy, 431 Cytotoxicity, 465 Autoimmune response, 59 Autoimmunity, 36, 311 D-penicillamine, 75 Autologous mixed lymphocyte reaction, 32, 87, 359 DEAE-dextran, 242 **DTH**, 387 Degranulation, 483 B2m, 454 Delayed type hypersensitivity, 387 BCG vaccination, 20 Differentiation, 483 Basement membrane, 289 Dihydroalprenolol binding, 349 Blastogenic responses, 7 Dipeptidyl peptidase IV, 201 Bone marrow purging, 300 Disposition, 489 Bone marrow transplantation, 443 Dogs, 105 Brugia pahangi, 26 EBV, 32 C3b receptors, 171 **ELISA**, 489 CD1, 454 Electron dense deposit, 126 CD1 molecule, 137 Eosinophilic gastroenteritis, 404 CD4, 270, 317 Epidermal growth factor, 75 CD8, 270 Epitope, 63 CD45R, 317 Epitope density, 121 CDw29, 317 Cationic antigen, 121 Fab, 489 Cells, 1 Factor VIII, 311 Alveolar macrophages, 359 Fc, 483 B220+CD4+, 36 Fc receptors, 137, 171 B lymphocytes, 242 Fetal gut, 216 Contrasuppressor, 100 Flow cytometry, 190, 295, 435 Dendritic, 344 LAC-cells, 166 Glomerular basement membrane, 419

Gamma interferon, 75, 377, 387

Langerhans cell, 137

Gastric cancer, 409 Gene, lpr, 36 Glomerulonephritis, 126 Gm-CSF, 151 Goodpasture antigen, 419 Goodpasture's syndrome, 289 Granule proteins, 404 Graves' disease, 258

HBsAg, 321 HIV, 7 HIV related disorders, 185 HIV-1 antigen, 317 HL-60, 483 HLA, 211 HLA Class II deficiency, 449 HLA molecules, 413 HLA-ABC, 454 Hapten, 121 Herpes simplex virus, 196 Histamine, 26 Hypogammaglobulinaemia, 425

Immune complex, 126, 471 Immune complex glomerulonephritis, 121 Immunoblotting, 105 Immunocytochemistry, 459 Immunodeficiency 201, 333, 449 Immunoglobulins, 489 IgA nephropathy, 115 IgA subclasses, 115 IgE, 137, 230, 305 IgG subclasses, 230, 449 Immunoglobulin production, 115 Immunoglobulins, therapeutic, 311 Immunoperoxidase, 435 Immunopotentiation, 339 Immunoregulation, 26, 264 Immunosuppression, 365, 409, 465 Immunotoxins, 300 Indium III oxine, 398 Induction, 321 Inflammatory bowel disease, 75, 382 Interleukin 1, 371, 377 Interleukin 2, 1, 87, 162, 387 Interleukin 3, 166 Interleukin 4, 162, 166 Interleukin 2 receptor, 382, 387 Interleukins 1-6, 151 Intestine, 270 Intraperitoneal vaccination, 339 Ischaemic heart disease, 254

Jirds, 26

LFA-1 deficiency, 449
Latent infection, 326
Leukaemia, 454
Limiting dilution, 94
Lipoarabinomanannan, 206
Lipopolysaccharide, 392
Lupus anticoagulant, 110
Lymph node, 435
Lymphadenopathy, 36
Lymphocyte activation, 258
Lymphocyte migration, 398
Lymphocyte subpopulations, 190
Lymphocyte transformation, 431
Lymphotoxin, 143
Lymphotoxin, 143

Macaque primate, 435 Metacercariae, 355 Methimazole, 258 Morphology, 190 Mucosal immunity, 14, 270 Myasthenia gravis, 80 Mycobacteria, 20, 206, 211

NC1, 289
Nasopharyngeal carcinoma, 398
Nematode parasite, 236
Neopterin, 392
Nephrotic syndrome, 425
Neutrophil cytotoxicity, 471
Nickel antigen, 387
Non-Hodgkin lymphoma, 295

Onchocerca volvulus, 223 Opisthorchiasis, 355 Oral administration, 339 Oxidant, 477

PGE₂, 196
Paramyxovirus membrane protein, 59
Parasitism, 344
Peptidoglycan, 365
Peyer's patches, 270
Phagocytosis, 477
Phospholipid surfactant, 465
Plaque forming cell assay, 242
Plasma treatment, 131
Pneumocystis carinii, 7
Primary biliary cirrhosis, 68, 283
Pulmonary haemorrhage, 419

Rabies, 339 Rats, 63, 443, 489 Retroviruses, 177 Rheumatoid arthritis, 94 Rheumatoid arthritis, juvenile, 87 Rotavirus, 14

S-protein, 459
SDS-PAGE, 355
Saponins, 339
Sarcoidosis, 359
Selective activation, 53
Serum suppressive activity, 185
Sowda, 223
Spleen, 409
Stress proteins, 211
Superoxide anion, 143
Suppression, 162
Suppressor cells, 258
Surgery, 41
Syngeneic graft-versus-host disease, 443
Systemic lupus erythematosus 100, 105, 110, 247

T cells, 216, 270, 300 activation, 196 phenotype, 409 proliferation, 206 receptors, 413 subpopulations 1, 100 Thrombosis, 247, 254 Thyroglobulin, 63 Toxocariasis, 236 Trichinella spiralis, 230 Tumour necrosis factor, 143

Ultrastructure, 404

Vicia villosa, 100 Vicia villosa agglutinin, 264 Visceral larva migrans, 236 Vitronectin, 459

Western blotting, 276

Xenograft, 295





CLINICAL AND EXPERIMENTAL IMMUNOLOGY

CONTENTS

Vol. 74 No. 1 October 1988

S. YAMAGUCHI, M. ONJI, H. KONDOH, H. MIYAG	OKA & Y.					
OHTA: Immunologic effects on peripheral lymphoid cells						
from patients with chronic hepatitis type I	during					
administration of recombinant interleukin 2						

D. N. HAGLER, G. S. DEEPE, CHERYL L. POGUE & P. D. WALZER: Blastogenic responses to *Pneumocystis carinii* among patients with human immunodeficiency (HIV) infection

T. DHARAKUL, M. RIEPENHOFF-TALTY, B. ALBINI & P. L. OGRA: Distribution of rotavirus antigen in intestinal lymphoid tissues: potential role in development of the mucosal immune response to rotavirus

SHUK HAN CHENG, L. WALKER, J. POOLE, V. R. ABER, K. B. WALKER, D. A. MITCHISON & D. B. LOWRIE: Demonstration of increased anti-mycobacterial activity in peripheral blood monocytes after BCG vaccination in British schoolchildren

J. RUFF, L. E. LEIVA, P. J. LAMMIE & S. P. KATZ: Failure of the H2 antagonist cimetidine to reverse parasite antigenspecific lymphocyte unresponsiveness in experimental filariasis

N. LAHAT, N. ZELNIK, P. FROOM, A. KINARTY & A. ETZIONI: Impaired autologous mixed lymphocyte reaction (AMLR) in patients with Ataxia-telangiectasia and their family members

T. ASANO, S. TOMOOKA, B. A. SERUSHAGO, K. HIMENO & K. NOMOTO: A new T cell subset expressing B220 and CD4 in lpr mice: defects in the response to mitogens and in the production of IL-2

F. Di PADOVA & R. M. DÜRIG: Spontaneous Ig secretion and DNA synthesis in lymphoblastoid B cells appearing after surgery

H.-D. HAUBECK, R. STUTENKEMPER & E. KÖLSCH: Modulation of cellular anti-tumour responses by tumourspecific T suppressor lymphocytes

H.-D. HAUBECK, I. MIKENBERG & E. KÖLSCH: Selective in-vitro activation of BALB/c T suppressor lymphocytes specific for syngeneic ADJ-PC-5 plasmacytoma cells

W. T. Anomasiri & D. L. J. Tyrrell: Paramyxovirus membrane protein augments the antibody response to actin in mice

H. J. DE ASSIS-PAIVA, B. CHAMPION, D. C. RAYNER, E. COLLE, A. BONE, I. M. ROITT & ANNE COOKE: Epitope specificity of spontaneous and induced thyroglobulin autoantibodies in the rat

R. KLEIN & P. A. BERG: Characterization of a new mitochondrial antigen-antibody system (M9/anti-M9) in patients with anti-M2 positive and anti-M2 negative primary biliary cirrhosis

F.	PALLONE,	S.	Fais	&	M.	R.	CAPOBIANC	ні:	Н	LA-D
reg	gion antige	ns of	n isol	atec	i hu	ma	n colonic epi	ithe	lial	cells:
enl	hanced exp	ress	ion ir	inf	lam	mai	tory bowel d	isea	ise a	and in
viti	ro inductio	n by	diff	eren	nt st	imu	ıli			
0	I Tanna	on E	3.4	OBDE		TO.		A	172	Drie

75

80

87

100

105

110

115

121

126

131

137

S. J. IZARTOS, E. MOREL, A. EFTHIMIADIS, A. F. BUS-TARRET, J. D'ANGLEJAN, A. A. DROSOS & H. A. MOUTSO-POULOS: Fine antigenic specificities of antibodies in sera from patients with D-penicillamine-induced myasthenia gravis

7 K. OEN, R. WARRINGTON, A. M. ROSENBERG & D. KRZOKETOWSKA: IL-2 production in the autologous mixed lymphocyte reaction of patients with juvenile rheumatoid arthritis

14 R. A. HAZELTON, J. J. MORRISON, RAMA VEDAM & V. SISKIND: Analysis of the responding and stimulating cells in the AMLR of patients with rheumatoid arthritis using limiting dilution

F. FORTUNE & T. LEHNER: Phenotypic expression of Vicia

20 villosa binding T cell subsets, as markers of contrasuppressor cells in systemic lupus erythematosus

A. BRINET, C. FOURNEL, J. R. FAURE, C. VENET & J. C.

MONIER: Anti-histone antibodies (ELISA and immuno-

26 blot) in canine lupus erythematosus K. ICHIKAWA, KAORU SHIMADA, Y. NAWATA, TATSUKO ISHII, H. TOMIOKA, S. YOSHIDA & T. KOIKE: Monoclonal hybridoma anti-cardiolipin antibodies from SLE mice

A. W. L. VAN DEN WALL BAKE, M. R. DAHA, A. VAN DER ARK, P. S. HIEMSTRA, J. RADL & L. A. VAN ES: Serum levels and in vitro production of IgA subclasses in patients with primary IgA nephropathy

S. KAGAMI, M. MIYAO, F. SHIMIZU & T. OITE: Active in situ immune complex glomerulonephritis using the hapten-carrier system: role of epitope density in cationic
 antigens

P. N. FURNESS & D. R. TURNER: Chronic serum sickness glomerulonephritis: removal of glomerular antigen and 47 electron-dense deposits is largely dependent on plasma complement

J. MØLLER RASMUSSEN, B. TEISNER, H. H. JEPSEN, S.-E.
 SVEHAG, F. KNUDSEN, H. KIRSTEIN & M. BUHL: Three cases of factor I deficiency: the effect of treatment with plasma

59 CARLA BRUYNZEEL-KOOMEN, E. M. M. VAN DER DONK, P. L. B. BRUYNZEEL, MONIQUE CAPRON, G. C. DE GAST & G. C. MUDDE: Associated expression of CD1 antigen and Fc receptor for IgE on epidermal langerhans cells from

patients with atopic dermatitis
 E. KOWNATZKI, A. KAPP & S. UHRICH: Modulation of human neutrophilic granulocyte functions by recombinant human tumour necrosis factor and recombinant human lymphotoxin. Promotion of adherence, inhibition

iii

iv Vo	lume (Contents	
of chemotactic migration and superoxide anion release		Inger Ljungström, L. Hammarstrom, Wanda	
from adherent cells	143	KOCIECKA & C. I. E. SMITH: The sequential appearance of IgG subclasses and IgE during the course of <i>Trichinella</i>	224
Vol. 74 No. 2 November 1988		spiralis infection B. D. ROBERTSON, T. R. BURKOT, S. H. GILLESPIE, M. W. KENNEDY, Z. WAMBAI & R. M. MAIZELS: Detection of	230
M. Malkovský, P. M. Sondel, W. Strober & A. G.		circulating parasite antigen and specific antibody in	
DALGLEISH: Review: The interleukins in acquired disease Bernadette Brooks & R. C. Rees: Human recombinant	151	Toxocara canis infections METTE-K, LOFTAGER, MINI HØIER-MADSEN, C. KOCH &	230
IL-4 suppresses the induction of human IL-2 induced lymphokine activated killer (LAK) activity	162	V. Andersen: A haemolytic plaque forming assay for identifying cells producing anti-DNA antibodies	242
G. GALLAGHER, F. WILCOX & F. AL-AZZAWI: Inter-		A. VISMARA, P. L. MERONI, ANGELA TINCANI, E. N.	
leukin-3 and interleukin-4 each strongly inhibit the induc- tion and function of human LAK cells	166	HARRIS, WILMA BARCELLINI, A. BRUCATO, M. KHA- MASHTA, G. R. V. HUGHES, C. ZANUSSI & G. BALESTRIERI:	
G. A. LIMB, K. A. BROWN, R. A. WOLSTENCROFT, B. A.		Relationship between anti-cardiolipin and anti-endothe-	
ELLIS & D. C. DUMONDE: Modulation of Fc and C3b receptor expression on guinea-pig macrophages by lym-		lial cell antibodies in systemic lupus erythematosus P. Klemp, Rosemary C. Cooper, F. J. Strauss, Esme R.	24
phokines	171	JORDAAN, J. Z. PRZYBOJEWSKI & N. NEL: Anti-cardiolipin	
G. P. SPICKETT, MARGARET MILLRAIN, RUTH BEATTIE, MARGARET NORTH, JO GRIFFITHS, S. PATTERSON &		antibodies in ischaemic heart disease F. A. Karlsson & T. H. Totterman: Immunomodula-	254
A. D. B. Webster: Role of retroviruses in acquired hypo-		tion by methimazole therapy in Graves' disease: rapid	
gammaglobulinaemia S. Briault, M. Courtois-Capella, F. Duarte, P.	177	changes in activation stage of circulating regulatory T cell subsets, B cells and NK cells	258
AUCOUTURIER & J. L. PREUD'HOMME: Isotypy of serum		A. RAEDLER, H. J. LENZ, K. SANDGREN, A. DE WEERTH, S.	200
monoclonal immunoglobulins in human immunodefi- ciency virus-infected adults	182	Enversen, S. Schreiber, H. G. Thiele & H. Greten: Phenotype and functional properties of <i>Vicia villosa</i>	
D. Israel-Biet, M. Erkwalanga, A. Venet, P. Even &	102	agglutinin (VVA) binding T cells in patients with Crohn's	
JM. Andrieu: Serum suppressive activity of HIV sero- positive patients	185	disease: detection of contrasuppressor activity in patients lacking extra-intestinal manifestations, abscesses and	
J. W. GRATAMA, HANNEKE, C. KLUIN-NELEMANS, R. A.		fistulas	26
LANGELAAR, G. J. DEN OTTOLANDER, T. STIJNEN, J. D'AMARO, R. TORENSMA & H. J. TANKE: Flow cytometric		K. BJERKE, P. BRANDTZAEG & O. FAUSA: T cell distribu- tion is different in follicle-associated epithelium of human	
and morphological studies of HNK1+ (Leu 7+) lympho-		Peyer's patches and villous epithelium	270
cytes in relation to cytomegalovirus carrier status A. HAYWARD, M. LASZLO, M. TURMAN, A. VAFAI & D.	190	U. SUNDIN, ZDENKA HEIGL & K. G. SUNDQVIST: The IgG antibody reactivity of sera from patients with	
TEDDER: Non-productive infection of human newborn		active chronic hepatitis to a crude liver antigen and liver	
blood mononuclear cells with herpes simplex virus: effect on T cell activation, IL-2 production and proliferation	196	specific protein (LSP): analysis by ELISA and immuno- blotting	27
CAROLYN HARLAND, TARULATA SHAH, A. D. B. WEBSTER	170	K. Lassoued, Marie Noelle Guilly, Chantal Andre,	2.1
& T. J. Peters: Dipeptidyl peptidase IV—subcellular localization, activity and kinetics in lymphocytes from		M. PAINTRAND, D. DHUMEAUX, FRANÇOISE DANON, J. C. BROUET & J. C. COURVALIN: Autoantibodies to 200 kD	
control subjects, immunodeficient patients and cord		polypeptide(s) of the nuclear envelope: a new serological	
blood C. Moreno, Angela Mehlert & J. Lamb: The inhibitory	201	marker of primary biliary cirrhosis M. Weber, KH. Meyer Zum Büschenfelde & H.	28:
effects of mycobacterial lipoarabinomannan and polysac-		KÖHLER: Immunological properties of the human Good-	
charides upon polyclonal and monoclonal human T cell proliferation	206	pasture target antigen L. KOPPER, AGNES BÁNKFALVI, R. MIHALIK, KATALIN	289
G. M. Bahr, G. A. W. Rook, M. Al-Saffar, J. Van	200	PÁLOCZI, M. BENCZUR & K. LAPIS: Phenotypic character-	
EMBDEN, J. L. STANFORD & K. BEHBEHANI: Antibody levels to mycobacteria in relation to HLA type: evidence		istics of three human non-Hodgkin lymphoma lines: flow cytometric analysis after long-term maintenance	29:
for non-HLA-linked high levels of antibody to the 65 kD		M. Izquierdo, María A. Balboa, Angela Figuera & M.	47.
heat shock protein of <i>M. bovis</i> in rheumatoid arthritis Teresa Monk, Jo Spencer, Nadine Cerf-Bensussan &	211	LÓPEZ-BOTET: Selective T cell subset depletion with anti- CD4 and anti-CD8 intact ricin immunotoxins	30
T. T. MacDonald: Stimulation of mucosal T cells in situ		R. W. HENDRIKS, A. THOMPSON, M. E. M. KRAAKMAN,	30
with anti-CD3 antibody: location of the activated T cells and their distribution within the mucosal micro-environ-		A. L. DRAYER & R. K. B. SCHUURMAN: Antisera to human	
ment	216	IgE can also recognize IgA and IgM molecules as produced by selected B lymphoblastoid cell lines	30
Z. CABRERA, D. W. BUTTNER & R. M. E. PARKHOUSE: Unique recognition of a low molecular weight <i>Onchocerca</i>		FRANCOISE ROSSI, YVETTE SULTAN & M. D. KAZATCH-	
volvulus antigen by IgG3 antibodies in chronic hyper-		KINE: Anti-idiotypes against autoantibodies and alloanti- bodies to VIII: C (anti-haemophilic factor) are present in	

223

therapeutic polyspecific normal immunoglobulins

311

reactive oncho-dermatitis (Sowda)

Vol. 74 No. 3 December 1988

charides (LPS)

Vol. 74 No. 3 December 1988		P. N. M. CHENG, W. C. T. SHIU, JOYCE O. Y. LEUNG, S. K. W. Ho, K. K. S. WONG & C. METREWELI: A study of	
P. DE PAOLI, S. BATTISTIN, MARINA CROVATO, MARIA		lymphocyte kinetics in nasopharyngeal carcinoma with	
Luisa Modolo, A.Carbone, U. Tirelli & G. Santini:		Indium III oxine-labelled lymphocytes	398
Immunologic abnormalities related to antigenaemia dur-	010	G. TORPIER, J. F. COLOMBEL, C. MATHIEU-CHANDELIER,	
ing HIV-1 infection	317	M. Capron, J. P. Dessaint, A. Cortot, J. C. Paris &	
L. G. FILION & R. SAGINUR: Induction of the <i>in vitro</i> anti- HB _s response by hepatitis B surface antigen	321	A. CAPRON: Eosinophilic gastroenteritis: ultrastructural	
H. W. Roenhorst, C. G. M. Kallenberg & T. H. The:	321	evidence for a selective release of eosinophil major basic protein	404
The cellular immune response to cell-associated and cell-		T. Toge, K. Kuroi, H. Kuninobu, Y. Yamaguchi, Y.	404
free cytomegalovirus (CMV) antigens after primary CMV-infection in non-immunocompromised hosts; de-		KEFOYA, N. BABA & T. HATTORI: Role of the spleen in immunosuppression of gastric cancer: predominance of	
velopment and maintenance of CMV-latency and its		suppressor precursor and suppressor inducer T cells in the	
influence on immunocompetence	326	recirculating spleen cells	409
R. C. GEHRZ, E. S. PETERSON & YUNG-NAN C. LIU:		R. B. GALLAGHER, C. FEIGHERY, D. G. WEIR, C. P. KELLY	
Immune mechanisms in congenital cytomegalovirus infec- tion: activation of CMV-specific T helper cells (CMV-Th)		& C. A. Whelan: Studies on the interaction between α- gliadin and HLA and T cell receptor molecules in coeliac	
by exogenous IL-2	333	disease	413
S. R. CHAVALI, LYNDA D. BARTON & J. B. CAMPBELL:	555	K. Yoshioka, T. Iseki, M. Okada, Y. Morimoto, N.	415
Immunopotentiation by orally-administered Quillaja		ERYU & S. MAKI: Identification of Goodpasture antigens	
saponins: effects in mice vaccinated intraperitoneally		in human alveolar basement membrane	419
against rabies	339	M. BEAMAN, S. OLDFIELD, I. C. M. MACLENNAN, J.	
L. W. POULTER & AIDA CONDEZ: The effect of intracellular		MICHAEL & D. ADU: Hypogammaglobulinaemia in	
parasitism on cell phenotype	344	nephrotic rats is attributable to hypercatabolism of	
LEONOR STERIN-BORDA, CLAUDIA PEREZ LEIROS, MIRIAM		IgG	425
WALD, GRACIELA CREMASCHI & E. BORDA: Antibodies to	240	M. Heike, U. Möbius, A. Knuth, S. Meuer & KH.	
β_1 and β_2 adrenoreceptors in Chagas' disease SUJITRA TANVANICH, GALAYANEE DOUNGCHAWEE, SOM-	349	MEYER ZUM BÜSCHENFELDE: Tissue distribution of the T cell activation antigen Ta ₁ . Serological, immunohisto-	
NATE BOONPUCKNAVIG, WITAYA THAMAVIT: A character-		chemical and biochemical investigations	431
istic immunoblotting pattern for Opisthorchiasis sera		L. D. Ormerod, K. G. Osborn, L. J. Lowenstine, P. R.	451
with metacercarial antigens	355	MEYER, J. W. PARKER, R. E. SMITH & C. R. TAYLOR:	
MONICA A. SPITERI, S. W. CLARKE & L. W. POULTER:		Lymphoid immunohistochemistry of macaque primates	435
Phenotypic and functional changes in alveolar macro-		G. M. J. Bos, G. D. Majoor & P. J. C. VAN BREDA	
phages contribute to the pathogenesis of pulmonary		VRIESMAN: Cyclosporin A induces a selective, reversible	
sarcoidosis	359	suppression of T-helper lymphocyte regeneration after	
D. R. REGAN, P. L. COHEN, W. J. CROMARTIE & J. H.		syngeneic bone marrow transplantation: association with	443
SCHWAB: Immunosuppressive macrophages induced by arthropathic peptidoglycan-polysaccharide polymers		syngeneic graft-versus-host disease in rats C. I. EDVARD SMITH, CLOTILDE BREMARD-OURY, FRAN-	443
from bacterial cell walls	365	COISE LE DEIST, C. GRISCELLI, P. AUCOUTURIER, GÖRAN	
B. HENDERSON, FIONA M. ROWE, C. R. BIRD & A. J. H.	500	MÖLLER, LENNART HAMMARSTROM, JL. PREUD'HOMME &	
GEARING: Production of interleukin 1 in the joint during		R. S. WEENING: The antibody spectrum in individuals with	
the development of antigen-induced arthritis in the		defect expression of HLA class II and the LFA-1 glyco-	
rabbit	371	protein family genes	449
W. P. AREND, S. D'ANGELO & F. G. JOSLIN: Regulation of		R. A. JONES, C. S. SCOTT, F. E. KATZ & J. A. CHILD: MHC	
interleukin 1 production in human monocytes	377	class I and class I-like gene product expression by	
Y. R. Mahida, Sarla Patel, K. Wu & D. P. Jewell:		malignant T cells: relationships between CD1a, HLA-	454
Interleukin 2 receptor expression by macrophages in inflammatory bowel disease	382	ABC and β-microglobulin S. Bhakdi, R. Käflein, T. S. Halstensen, F. Hugo, K. T.	434
RIITTA KARTTUNEN, SYLVI SILVENNOINEN-KASSINEN,	302	PREISSNER & T. E. MOLLNES: Complement S-protein	
KATRI JUTTINEN, GUDRUN ANDERSSON, HP. T. EKRE &		(vitronectin) is associated with cytolytic membrane-	
J. KARVONEN: Nickel antigen induces IL-2 secretion and		bound C5b-9 complexes	459
IL-2 receptor expression mainly on CD4+ T cells, but no		MARGARET L. WILSHER, D. A. HUGHES & PATRICIA L.	
measurable gamma interferon secretion in peripheral		HASLAM: Immunomodulatory effects of pulmonary sur-	
blood mononuclear cell cultures in delayed type hyper-		factant on natural killer cell and antibody-dependent	
sensitivity to nickel	387	cytotoxicity	465
J. TROPPMAIR, K. NACHBAUR, M. HEROLD, W. AULITZKY,		R. Geffner, Mirta Giordano, Graciela Serebrinsky &	
H. TILG, G. GASTL, P. BIELING, B. KOTLAND, R. FLENER, B. MULL, W. O. AULITZKY, H. ROKOS & CH. HUBER: In-		J. A. ISTURIZ: Different activation pathways involved in antibody-dependent and immune-complexes-triggered	
vitro and in-vivo studies on the induction of neopterin		cytotoxicity mediated by neutrophils	471
biosynthesis by cytokines, alloantigens and lipopolysac-		K. Donaldson, J. Slight & R. E. Bolton: The effect of	

392

products from bronchoalveolar-derived neutrophils on

489

494

oxidant production and phagocytic activity of alveolar macrophages

477 the disposition of sheep digoxin-specific immunoglobulin G and Fab fragments in the rat

A Second IUIS/WHO Report: Laboratory investigations

The use of enzyme-linked immunosorbent assay to study

response in differentiated HL-60 cells

Pauline C. Johnston, I. H. Stevenson & D. S. Hewick:

A Second 1015/WHO Report: Laboratory investigations in clinical immunology: methods, pitfalls and clinical indications

